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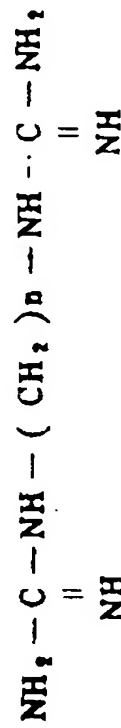
APPLICATION DATE : 10-09-80
APPLICATION NUMBER : 55124636

APPLICANT : DAINIPPON INK & CHEM INC;

INVENTOR : TAKAHASHI TSUNEJI;

INT.CL. : A01N 47/44 // C07C129/12

TITLE : AGRICULTURAL AND
HORTICULTURAL GERMICIDE



ABSTRACT : PURPOSE: To titled agent, containing an α,ω -polymethylenebisguanidino compound or an acid addition salt thereof as an active constituent, and capable of exhibiting improved germicidal effect particularly on blast and helminthosporium leaf spot of rice plants, blue rot (mold) and green rot (mold) of citrus fruits.

CONSTITUTION: An agricultural and horticultural germicide containing an α,ω -polymethylenebisguanidino compound expressed by the formula (n is 11, 12, 13 or 14) or an acid addition salt thereof, e.g. 1,12-diguanidinododecane sulfate or 1,11-diguanidinoundecane hydrochloride, as an active constituent. The compound expressed by the formula has much greater germicidal activity than the compound expressed by the formula (n is 8, 9 or 10). The germicide is capable of controlling the blast and helminthosporium leaf spot simultaneously and preventing the storage diseases of citrus fruits at a low concentration.

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